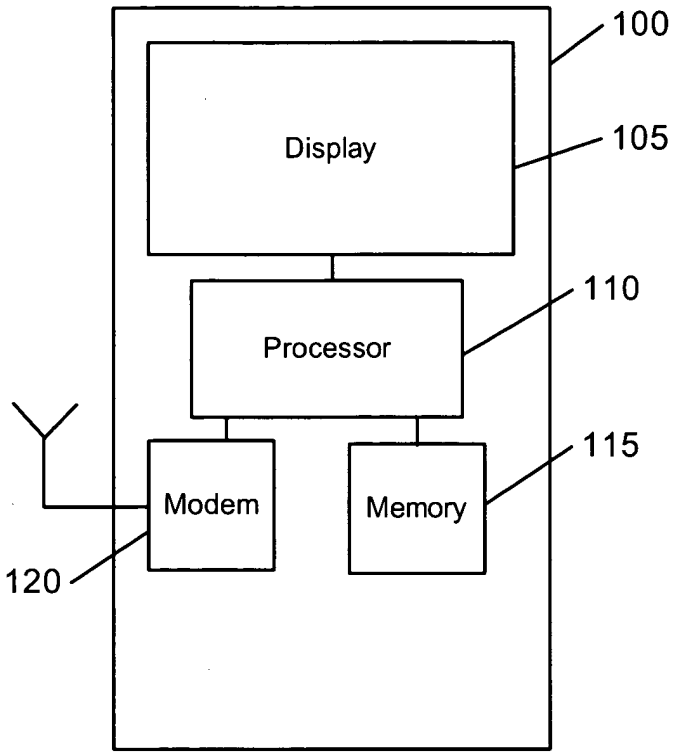

FIG. 1

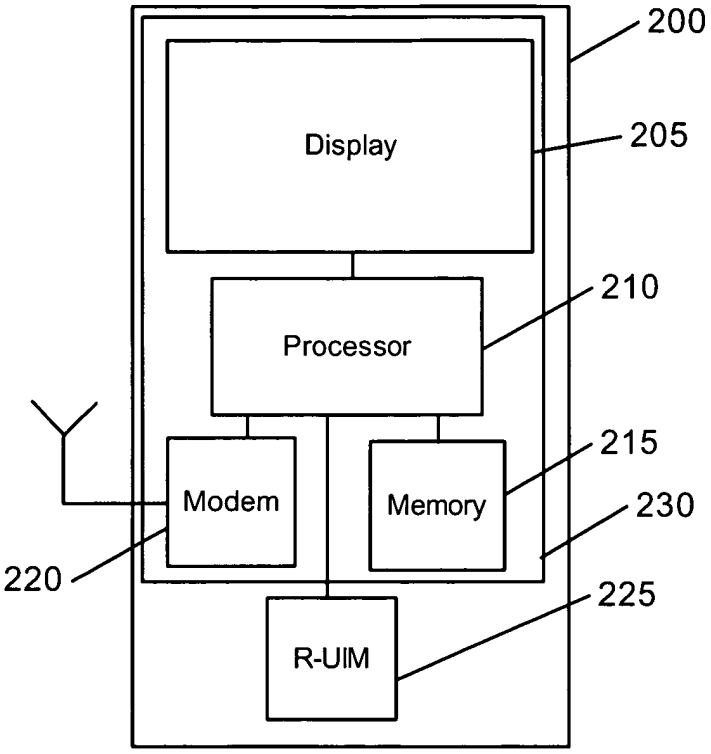
200
Display
205
Processor
210
Modem
Memory
215
230
220
R-UIM
225

FIG. 2

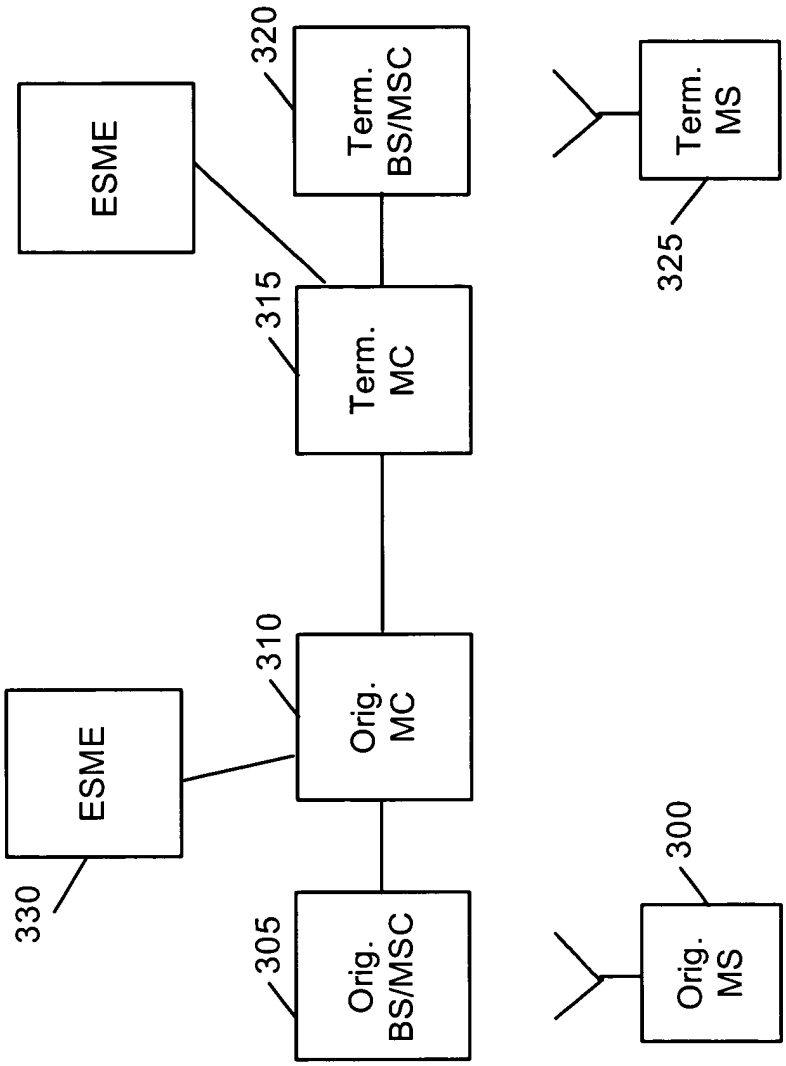
ESME
330
ESME
320
Term.
BS/MSC
315
Term.
MC
310
Orig.
MC
305
Orig.
BS/MSC
Term.
MS
325
Orig.
MS
300

FIG. 3

400

Field	Length (bits)
SUBPARAMETER_ID	8
SUBPARAM_LEN	8
YEAR	8
MONTH	8
DAY	8
HOURS	8
MINUTES	8
SECONDS	8
OFFSET_SIGN	1
UTC_TIME_OFFSET	6
RESERVED	1
Note: all date and time fields contain two 4-bit BCD numbers giving the decimal value of the field. For example, if the year is 1996, the YEAR field contains '10010110'.	

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FIG. 4

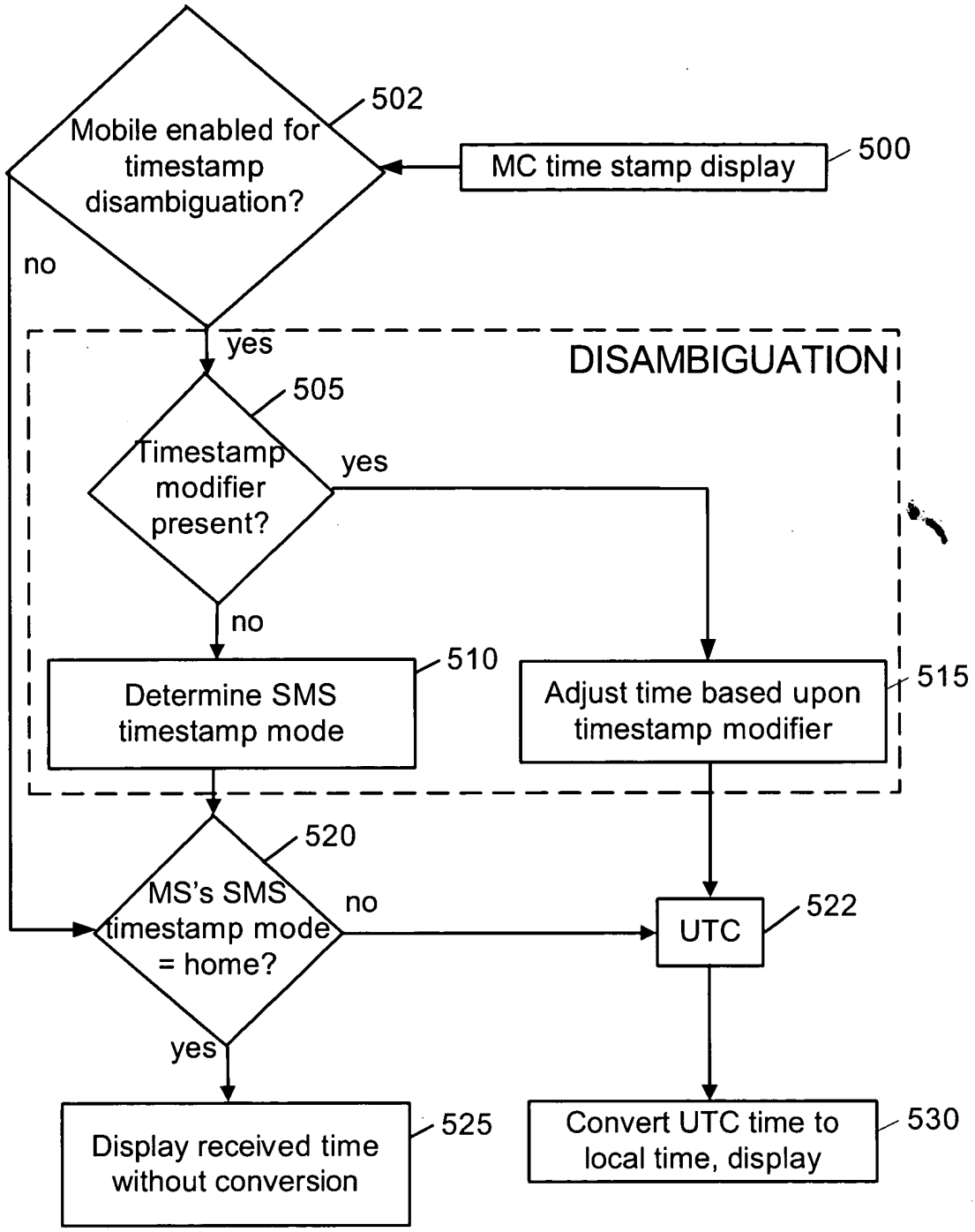
Mobile enabled for timestamp disambiguation?
502
MC time stamp display
500
no
yes
DISAMBIGUATION
505
Timestamp modifier present?
yes
no
Determine SMS timestamp mode
510
Adjust time based upon timestamp modifier
515
520
MS's SMS timestamp mode = home?
no
UTC
522
yes
Display received time without conversion
525
Convert UTC time to local time, display
530

FIG. 5

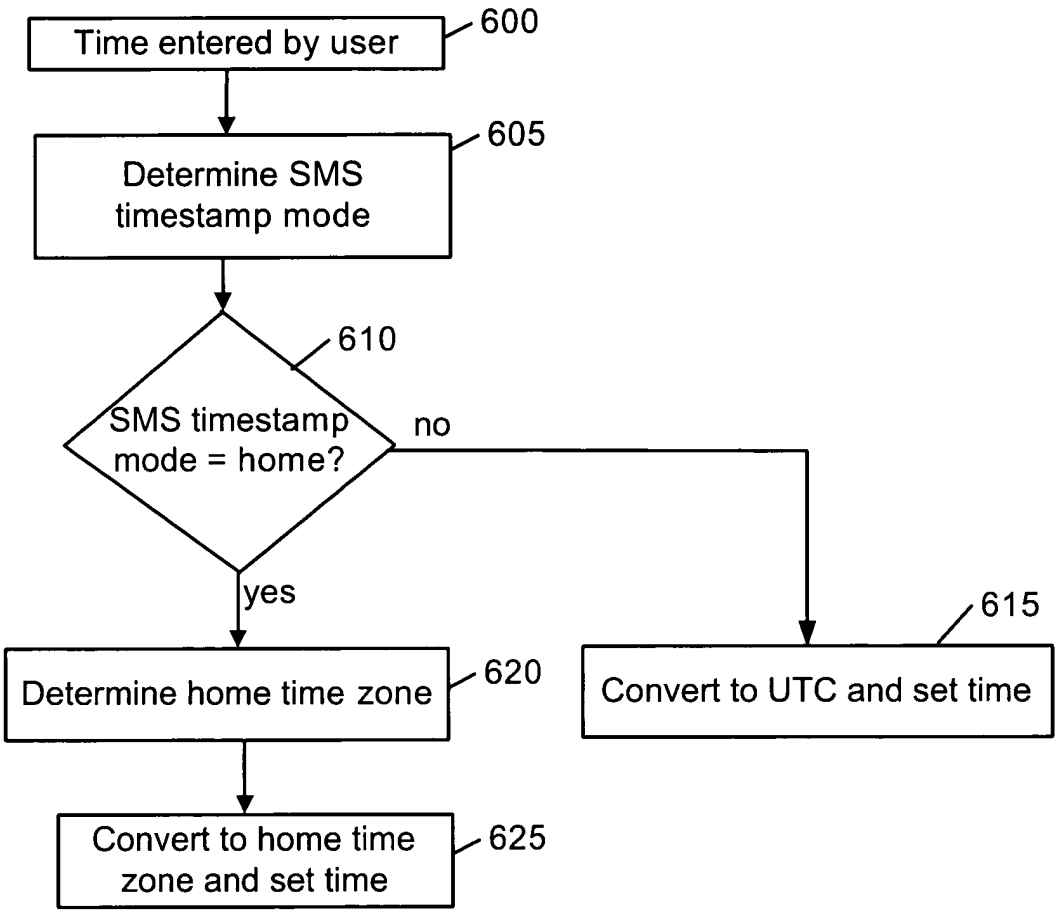
Time entered by user
600
Determine SMS timestamp mode
605
SMS timestamp mode = home?
610
no
yes
Determine home time zone
620
Convert to UTC and set time
615
Convert to home time zone and set time
625

FIG. 6

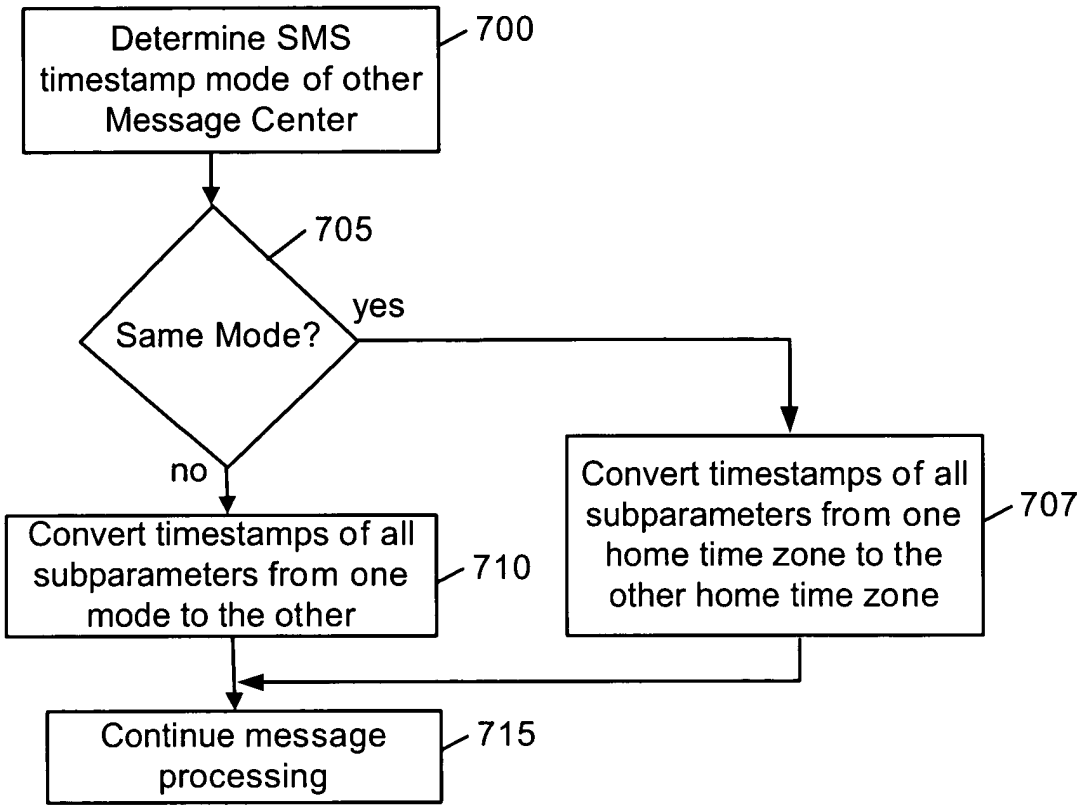
Determine SMS timestamp mode of other Message Center
700
705
Same Mode?
yes
no
Convert timestamps of all subparameters from one mode to the other
710
Convert timestamps of all subparameters from one home time zone to the other home time zone
707
Continue message processing
715

FIG. 7

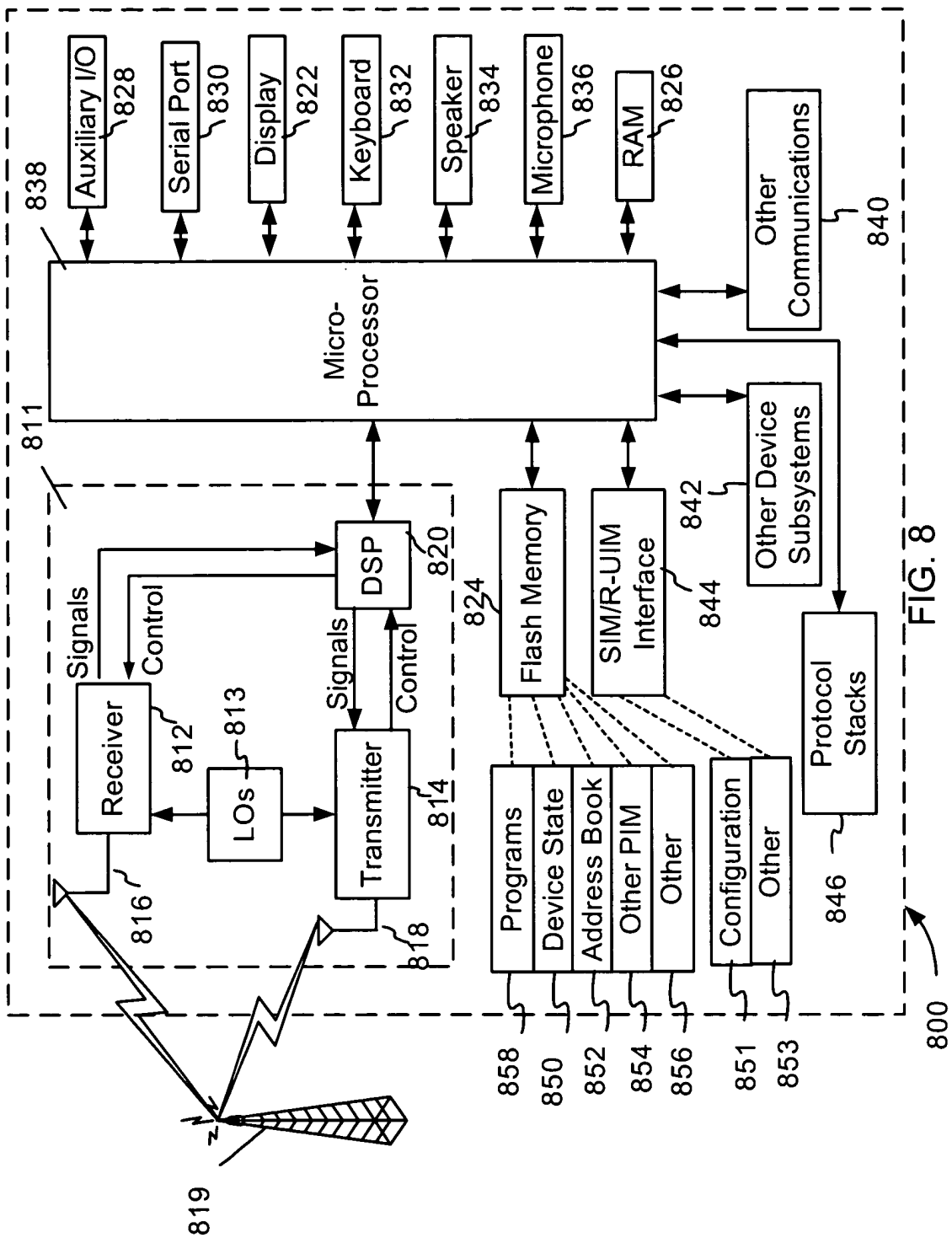
Auxiliary I/O
828
Serial Port
830
Display
822
Keyboard
832
Speaker
834
Microphone
836
RAM
826
838
Micro-
Processor
811
Other
Communications
840
Other Device
Subsystems
842
SIM/R-UIM
Interface
844
Flash Memory
824
DSP
820
Signals
Control
Signals
Control
Receiver
812
813
LOs
Transmitter
814
816
818
819
Programs
Device State
Address Book
Other PIM
Other
Configuration
Other
Protocol
Stacks
846
858
850
852
854
856
851
853
800

FIG. 8